



Overview

NE70BK08 is Canyon's low temp 70 shore A durometer, black Neoprene. This is a popular, cost-effective low temperature material. Compare to Parker C0873-70 and C557-70.

Features & Benefits

- Low Temperature & Freon compatible
- Good resistance to weathering
- Good heat resistance
- Good resistance to low temp solvents and refrigerants

Service Temperature

- -55°C to 121°C (-67°F to 250F)

Specification

- ASTM D 2000 M3BC710 A14 B14 E014 E034 F17 Z1

Test Data

Table 1. Physical Properties		
Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	70+/-5	72
Tensile Strength, psi (MPa)	1450 min	1870 (12.9)
Elongation Z1	100% min	230%
Specific Gravity, g/cm ³		1.49



Table 2. A14 - Heat Aging - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	+6
Tensile Strength, %	-15 max	-5
Elongation, %	-40 max	-9

Table 3. B14 - Compression Set - 22 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	35 max	11

Table 4. E014 - ASTM Oil #1 (901) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-10 to +10	+4
Tensile Strength, %	-30 max	-5
Elongation, %	-30 max	-13
Volume, %	-10 to +15	-4

Table 5. E034 - ASTM Oil #3 (903) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Tensile Strength, %	-60 max	-8
Elongation, %	-50 max	-10
Volume, %	+100 max	+32

NE70BK08 is now available on the Canyon Components [online store](#).

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)